\$/081/62/000/022/015/086 B144/B101

Sokolowski, Janusz, Kupryszewski, Gotfryd, Umiński, AUTHORS:

Tadeusz

Use of compounds tagged with the radioactive carbon isotope TITLE:

c14 to study the conversion of N-glucosides. I. Exchange of

acetyl groups in N-acetyl-N-2,3,4,6-tetra-0-acetyl-D-

glucopyranosyl-p-aminoazobenzene

Referativnyy zhurnal. Khimiya, no. 22, 1962, 153, abstract PERIODICAL:

22Zh12 (Roczn. chem., v. 36, no. 2, 1962, 215-221 [Pol.;

summaries in Russ. and Eng.)

TEXT: Hydrolysis of N-acetyl-N-2,3,4,6-tetra-0-acetyl-D-glucopyranosylp-aminoazobenzene (I) leads to the formation of N-acetyl-N-D-glucopyranosyl-p-aminoazobenzene (II) and of a small quantity of N-D-gluco-pyranosyl-p-aminoazobenzene (III). The position of the acetyl group in I was determined on the basis of a study of the acyl exchange in I: the effect of C14H3COOCOCH3 (IV) on I leads to an exchange of the N-acetyl Card 1/2

S/081/62/000/022/015/088 B144/B101

Use of compounds tagged with ...

group. The mixture of 0.2 g I [m.p. 199-200°C, [a] 17 + 32 ± 3° (c 0.402, chloroform)], 0.02 g ZnCl₂, and 0.5 ml IV (activity 0.01 mcu/ml) is kept for 4 hrs at 100°C; I with c¹⁴ (activity 748 imp/min per mmole) is obtained. The mixture of 0.2 g N-N-2,3,4,6-tetra-0-acetyl-D-gluco-pyranosyl-p-aminobenzene (V), 0.02 g ZnCl₂, and 0.5 ml IV is heated for 0.5 hr; I with c¹⁴ is obtained; yield 0.12 g (activity 1978 imp/min per mmole). To 107.7 mg I, produced from V, 36 mg (CH₃)₂NH dissolved in 9.5 ml CH₃OH is added, the mixture is stirred for 9 hrs at 20°C, and a mixture of II (86%) and III (10 ± 4%) is obtained (the yield was determined by paper chromatography and by measuring the activity of the mixture). [Abstracter's note: Complete translation.]

Card 2/2

SOKOLOWSKI, Janusz; FIALKIEWICZ, Zofia; SMIATACZ, Zygfryd; WASIELEWSKI, Czeslaw

Configuration and conformation of N-glycosides. Pt. 1. Rocz chemii 37 no.5:515-523 '63.

1. Department of Organic Chemistry, Normal School, Gdansk.

SOKOLOWSKI, Janusz; SMIATACZ, Zygfryd; SZAFRANEK, Janusz

Configuration and conformation of N-glycosides. Pt. 2. Rocz chemii 37 no.5:525-536 '63.

1. Department of Organic Chemistry, Normal School, Gdansk.

Configuration and conformation of M-glycosides. .t. 1.
Rocz cremii 37 nc. 7/8:735-745 +63.

1. Department of Organic Chemistry, Normal School, Gdansk.

SOKOLOWSKI, Janusz; KOLKA, Stefania

Kinetic studies on reactions between D-glucose and primary aromatic amines. Rocz chemii 37 no. 7/8:925-926 '63.

1. Department of Organic Cheris ry, Normal School, Gdansk.

MIODUSZEWSKI, Waldemar, mgr inz.; RECZEK, Jan, mgr inz.; SOKOLOWSKI, Janusz, mgr inz.; WOISKI, Wojciech, dr inz.

Possibilities of applying isotope methods to the supervision of bank consolidation in hyraulic engineering. Gosp wodna 24 no. 2:51-54 F 164.

 Katedra Grantoznawstwa i Budownictwa Ziemnego, Szkola Glowna Gospodarstwa Wiejskiego, Warszawa.

| ACC NR: AP6027098 (H) SOURCE CODE: PO/0099/66/040/001/0029/0036 | |
|--|--|
| AUTHOR: Sokolowski, Janusz; Szafranek, Janusz | |
| ORG: Department of Organic Chemistry, Mormal School, Gdansk (Katedra Chemii Organicznej Wyzszej Szkoly Pedagogicznej) | |
| TITIE: Infrared spectra of some derivatives of N-glycosides | |
| SOURCE: Roczniki chomii - annales societatis chimicae polonorum, v. 40, no. 1, 1966, 29-36 | |
| TOPIC TAGS: IR spectrum, IR absorption, absorption band, organic amide, acetylene compound | |
| ABSTRACT: Infrared absorption bands, connected with the symmetric and antisymmetric vibrations of the tetrahydropyrane ring, with the valency vibrations of the amide carbonyl group and the valency and deformation vibrations of the NH group for 0-acetyl, 0,N-acetyl and 0-benzylidene derivatives of N-glycosidos, were identified. Orig. art. has: 20 figures. Based on authors Eng. abst. JPRS: 35,397 | |
| SUB CODE: 07, 20 / SUBM DATE: 23Nov64 / ORIG REF: 003 / OTH REF: 006 | |
| LS Card 1/1 | |

SOKOLOWSKI, Jerzy

Soldiers serving the national economy, before the floating ice starts moving. Przegl techn 85 no. 12: 8 22 Mr '64.

SHEVYAKOV, L.D.; SOKOLOWSKI, Jozef, mgr., inz.

The way to elaborate dissertations. Przegl gorn 17 no.11:560-567 N '61.

1. Czlonek Akademii Nauk ZSRR

MROZEK, Kazimierz; SOKOLOWSKI, Juljan; WROBEL, Janina

Discovering a salt dome structure near Damaslawek in the Kujawy region. Przegl geol 9 no.11:579-584 61.

1. P.P.P.N. "Polnoc", Pila.

(Poland-Salts)

POLAND

SOKOLOWSKI, Julian

Bureau of Documentation and Geological Planning (Biuro Dekumentacji i Projektov Geologicznych)

Warsaw, Przeglad geologiczny, No 1, Jan 1966, pages 32-35

"Importance of the discovered Olemica-Kepne Depression to prospecting in the eastern section of the Fore-Sudetic Monocline."

POLAND

SOKOLOWSKI, Julian

Bureau of Documentation and Geological Planning (Biuro Dokumentacji i Projektów Geologicznych), Warsaw

Warsaw, Przeglad geologiczny, No 5, May 1966, pages 205-211

"Tectonics and deposit-structural characteristics of the Fore-Sudetic area. Part 1."

SOKOLOWSKI, Kazimierz

Cooperation between economists and sociologists; in connection with an instructive conference of economists and sociologists in Jablonna, May 14-19, 1962. Nauka polska 10 no.4:114-115 S-0 '62.

1. Polska Akademia Nauk, Zaklad Nauk Ekonomicznych, Warszawa.

SOKOLOWSKI, Konstanty

Bronchial fistula after pulmonary resection in pulmonary tuberculosis. Postepy hig. med. dosw. no.2:97-98 '60.

1. Oddział Chirurgii Torakalnej Szpitala Miejskiego w Poznaniu Ordynator: doc. dr Jan Moll.

(PNEUMONECTOMY compl) (BRONCHIAL FISTULA etiol)

MOLL, Jan. TYBORSKI, Henryk; STASINSKI, Tadeusz; LORKIEWICZ, Zbigniew; LUKOMSKA, Barbara; SLIWINSKI, Marian; ADAMSKI, Stanislaw; SOKOLOWSKI, Konstanty; SKOTNICKI, Stefa.

Treatment of cardiac defects with the use of the MPS 1 apparatus and deep hypothermia. Pol. arch.med.wewnet. 34 no.3: 299-306 *64.

1. Z Oddzialu Chirurgii Torakalnej Szpitala Miejskiego im. J.Strusia w Poznaniu i II Kliniki Chirurgicznej AM w Lodzi (kierownik: prof.dr.med.J.Moll) Zakladu Radiologii AM w Poznaniu (kierownik: prof.dr.med. B.Gladysz) i III Kliniki Chorob Wewnetrznych AM w Poznaniu (kierownik: prof.dr.med. K.Wysocki).

MOLL, Jan, prof. dr. med.; LUKOMSKA, Barbara; STALEMSKI, Jerzy; SOKOLOWSKI, Konstanty.

Pulmonary resection in tuberculosis. Pol. tyg. lek. 19 no.52: 2003-2005 28 D'64.

- 1. Z Oddzialu Chirurgii Torakalnej Szpitala Miejskiego im.
- J. Strusia w Poznaniu (ordynator: prof. dr. med. Jan Moll).

MOLL, Jan, prof. dr. med.; ADAMSKI, St.; SLIWINSKI, M.; SKOTNICKI, S.; SOKOLOWSKI, K.

Our own experiences in the surgical treatment of constrictive pericarditis. Pol. tyg. lek. 20 no.6:202-204 8 F 165

- 1. Z II Kliniki Chirurgicznej Akademii Medycznej w Lodzi i z Oddziału Chirurgii Torakalnej Szpitala Miejskiego imeni
- J. Strusia w Poznaniu (Kierownik: prof. dr. med. Jan Moll).

SOKOLOWSKI, L.

SOKOLOWSKI, L. The acceptance of a construction by units. p. 24

Vol 8, no. 11, Nov. 1956 BULCONICTWO WLEJSKIE ACRICULTURE Warszawa, Poland

So: East Turopean Accession vol 6, no. 3, March 1957

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652130002-1 CHANCE OF MALE AND AN ARREST OF COMMENTS OF CAMPUS AND ARREST OF COMMENTS OF COMMENTS OF COMMENTS OF COMMENTS

SOKOLULOSKI, LECH

FOLAND/Radio Physics - Generation and Conversion of Radio Frequency I-3 Cscillations

Abs Jour : Ref Zhur - Fizika, No 6, 1958, No 13773

: Sokolovski Lech Author

Tnst

: Methods of Testing Multi-Cavity Pulse Magnetrons Title

Orig Pub : Elektronika, 1957, 3; No 4-5, 129-144

Abstract : The author describes methods for measuring the resonant frequency and the parasitic resonances of the oscillating sys-

tem of a multiple-resonator magnetron. Block diagrams of the measuring apparatus are given for the coaxial and wave guide channels. In a wave guide setup, one installs in the two side branches of a double tee a measuring FM generator and a meter (detector plus oscillograph). To the two other branches of the tee is connected respectively the magnetron and a nonreflecting load. If the time sweep and the FM are produced by the same voltage, then the oscillograph screen displays both the principal and the parasitic resonances. One observes

: 1/2 Card

CIA-RDP86-00513R001652130002-1" APPROVED FOR RELEASE: 08/25/2000

POLAND/Padio Physics - Generation and Conversion of Radio Frequency I-3 Oscillations

Abs Jour : Ref Zhur - Fizika, No 6, 1958, No 13773

on the same screen also the maker, coming from a calibrated resonant wave meter. It is noted that these measurements must be made in the presence of a cathode or its equivalent. An investigation of possible forms of oscillations is carried out with the aid of a rotating probe, inserted in the resonant instead of the cathode. The screen of the oscillograph, synchronized with the probe, displays the picture of the field around the periphery of the resonator.

Card : 2/2

GALINSKI, Ryszard; SOKCLOWSKI, Lech

Output circuit of a high-power magnetron. Przegl elektroniki 4 no. 5/6: 323-328 My-Je '63.

1. Zjednoczenie Przemyslu Elektronicznego i Teletechnicznego, Warszawa.

DZYGADIO, Z.; SOKOLOWSKI, M.; ZAHORSKI, S. (Warszawa); ZYCZKOWSKI, M. (Krakow)

A scientific conference held in Krynica on the mechanics of continuous media: a review of papers. Mechan teor stosow 1 no. 1:99-107 '63.

SOKOLOWSKI, Maciej, mgr inz.

Mechanization of finishing works in the construction industry. Przegl mech 23 no.9/10:284-286 25 My 164.

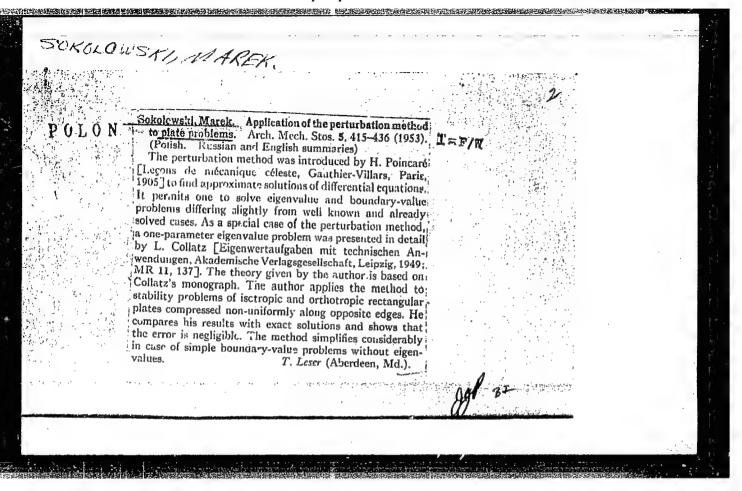
1. Head Design Laboratory, Office for Design and Technology of Construction Machines and Equipment, Warsaw.

SOKOLOWSKI, M.

Tasks of the industries consuming electric power in overcoming the heavy demand in autumn and winter. p. 1, (GOSPODARKA CTEPLNA. ENERGETYKA PRZELYSLOWA, Vol. 1, No. 6, Dec. 1953, Warszawa, Poland)

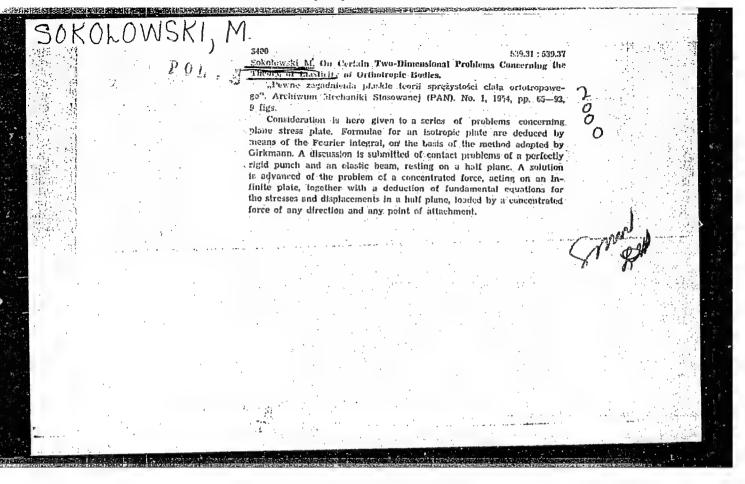
SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 5 May 1955, Uncl.

| Zastosowania Metody Malych Para- metrów w Zagadnieniach Plyt (Application of the Perturbation Method to Plate Problems). Marek Sokolowski. Arch. | |
|--|--|
| Mech Storwanej (Warsaw), No. 3, 1953, p. 415. 10 refs. In Polish; abridged in English and Russian. Use of the Poincaré approximation method to solve differential equations of the eigen-value and boundary-value problems of plate deflections. | |
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"APPROVED FOR RELEASE: 08/25/2000

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624.073.1

A Two Stage Method of Solving Orthotropic Plate Problems

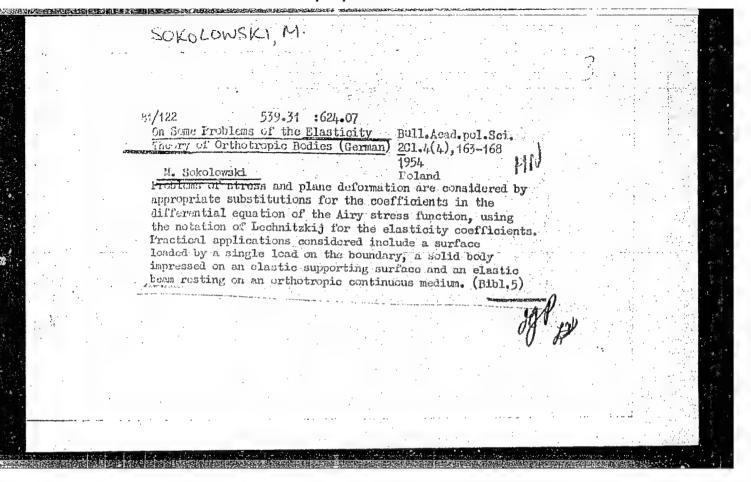
Rozpr. Insyn. 2(2),215-230 1954

M. Sokolowski'

Poland

The problem or calculating the bending moments and shear forces for an orthotropic plate subjected to bending is discussed. The systems of linear algebraic equations obtained by means of the calculus of finite differences are solved by using the iteration method, for which two iteration procedures are given for solving problems with complex coefficient. (BILL.2)

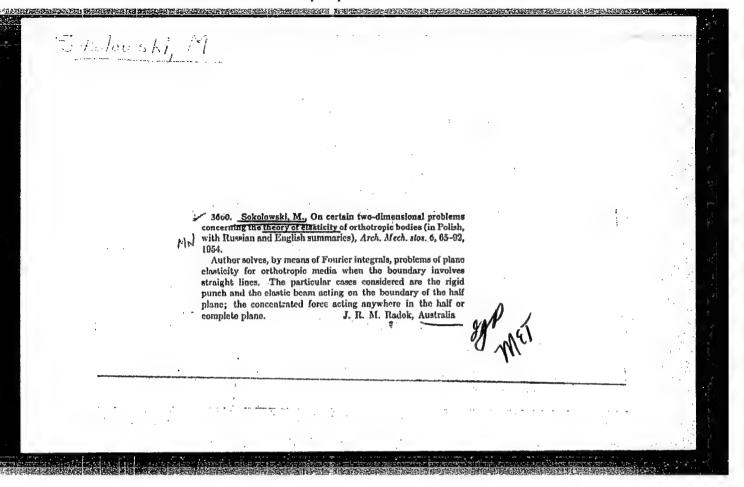
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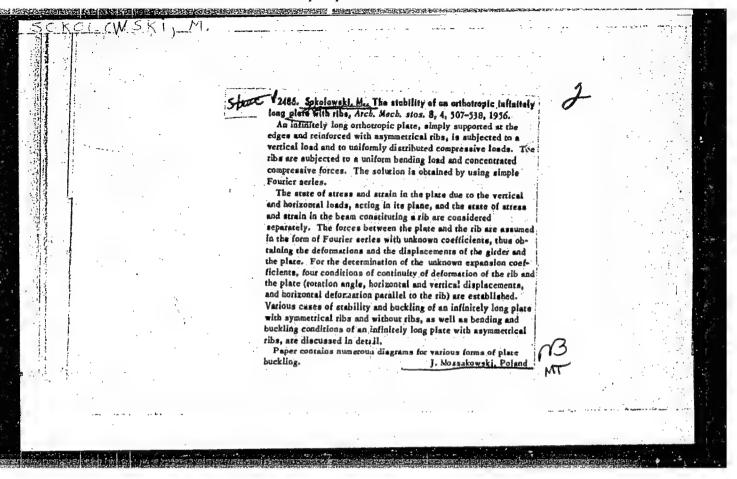


Applying the small-parameter method in testing plates, p. 169 , Vol. 2, no. 4, 1954, BULLETIN, Dep't of Technical Sciences, Polish Academy of Sciences.
SO: NOTHER LIST OF EAST E ROFELN ACCESSIONS, (MEAL), Vol. 2, No. 9, LC, Sept. 1955, Unco.

SOKOLOWSKI, M.

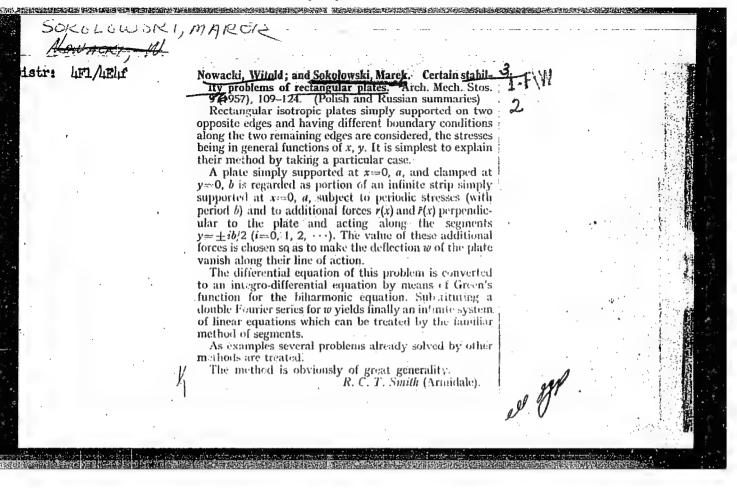
Two-step calculation of anisotropic plates of a certain type; p: 173, Vol. 2, no. 4, 1954, BULLETIN, Dep't of Technical Sciences, Polish Academy of Schiences SO: MONTHLY LIST OF EAST EUROPEAN AC ESSIONS, (ZEAL), LG, Vol. 4, No. 9, Sept. 1955, Uncl.

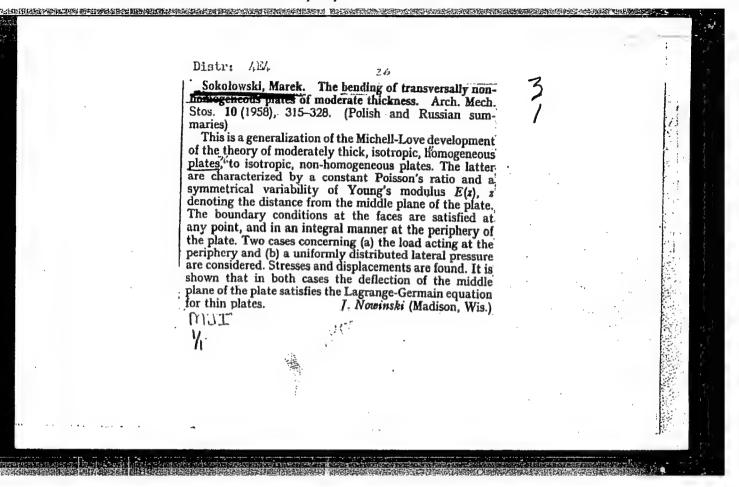




"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001652130002-1





JORCECTORI, R.

The limit of applicability of kirchhoff's hypothesis in the theory of bending transversally nonhomogeneous and layered plates. p. 3.

ARCHIMUM INZYMIERII LADOWEJ. (Polaska Akademia Nauk. Komitet Inzymierii Ladowej) Warszawa, Poland. Vol. 5, no. 1, 1959

Monthly list of East European Accession (EEAI) LC, Vol. 9, no. 2, Feb. 1960

Uncl.

S/124/62/000/001/040/046 D237/D304

24,5200

Nowacki, Witold, and Sokolowski, Marek AUTHORS:

TTTLE:

Propagation of thermoelastic waves in plates

PERIODICAL:

Referativnyy zhurnal, Mekhanika, no. 1, 1962, 13, abstract 1V85 (Arch. mech. stosowanej, 1959,

11, no. 6, 715-727) (in English)

The problem formulated is solved by Biot equations (M. A. Biot, J. Appl. Phys., 1956, 27, 3). The following boun-TEXT: dary conditions are assumed on the surfaces of the plate, which are free from surface stresses: (1) constant temperature, and (2) ideal thermal isolation. Some simplifying assumptions are made, allowing numerical solution to be reached. Mode of distribution of elastic waves is investigated for two limiting cases, namely that of a very thick and very thin plate (as compared with the wavelength). Interdependence of the heat conductivity and motion equations is shown in two ways: on the one hand, phase

Card 1/2

Propagation of ...

S/124/62/000/001/040/046 D237/D304

velocity of the wave motion increases; on the other hand, the solutions for displacements contain terms expressing the appearance of dispersion. Abstracter's note: Complete translation.

B

Card 2/2

SOKOLOWSKI, M.; SZYMANOWSKI, W.

Electrophotography on macromolecular substances. Bul Ac Pol mat 8 no.3:191-194 *60. (EEAI 9:11)

1. Physical Laboratory A, Technical University, Warsaw. Presented by W.Rubinowicz. (Xerography) (Macromolecular compounds) (Photoconductivity)

SOKOLOWSKI, M.

One-dimensional thermoelastic problems for elastic bodies with material constants dependent on temperature. Bul Ac Pol tech 8 no.4:153-160 '60. (EEAI 9:10)

1. Department of Mechanics of Continuous Media, Institute of Basic Technical Problems, Polish Academy of Sciences. Presented by W.Nowacki.

(Elasticity)

20257 P/006/60/008/004/002/010 D265/D303

24.4200

AUTHOR:

Sokolowski, Marek

TITLE:

Thermal stresses in a spherical and cylindrical shell made of materials whose properties depend on temperature

HERIODICAL:

Rozprawy inżynierskie, v. 8, no. 4, 1960, 641-667

TEXT: This paper analyzes the thermal stresses allowing for the variation with temperature of the coefficient of heat conductivity λ , the coefficient of expansion α and the Young modules E for the following cases: A thick cylindrical ring for which the inside and outside surfaces are kept at different steady temperatures T_0 and T_1 respectively (i.e. $\frac{\lambda}{2} = 0$), a long, thick cylindrical shell of constrained end faces ($\frac{\lambda}{2} = 0$), a long, thick cylinder freely supported at its ends, for which at the middle portion cylinder freely supported at its ends, for which at the middle portion $\frac{\lambda}{2} = \cosh \frac{\lambda}{2} = 0$, and for the thick-wall concentric sphere, where the inner and outer surfaces are kept at different temperatures T_0

Card 1/3

25/257 P/006/60/008/004/002/010 D265/D305

Thermal stresses in.,,

and T1. Radial deformations are considered throughout. The basic stress equations are derived and simplifications introduced by assuming the Poisson catio) = 0.5 and negligible change of E with temperature. The final equations are thus obtained which contain the functions of the non-linear temperature distribution. The solutions are analyzed by assuming the axially symmetric conductivity coefficient relationship in the case of the thick cylindrical shell and spherical symmetry relationship of conductivity in the case of the thick spherical shell. Solutions are also presented when the heat source is assumed in Dirac's and Green's functions. The wariation of the coefficient of thermal conductivity A is studied for homogensous materials where ? - const. and for materials of ? increasing and decreasing with the increase of temperature. Radial and circumferential stresses are analyzed for the variable coefficient of heat conductivity in terms of graphs for the inward and outward flow of heat for the materials considered. The method of interpreting the strain equations for the case of the exponentially variable value of Young modules is given. There are 14 figures and 8 references: 4 Soviet-bloc and 4 non-Soviet-bloc. The references to the English-language publications read as follows: J.

Card 2/3

28257

P/006/50/008/004/002/010 D265/D303

Thermal stresses in ...

Nowinski, Thermoelastic Problem of an Isotropic Sphere with Temperature Dependent Properties, ZAMP, v. 6, no. 10 (1959); H. H. Hilton, Thermal Stresses in Bodies Exhibiting Temperature Dependent Properties, J. Appl. Mech., 1952, 74, 350; S. Timoshenko, J. N. Goodier, Theory of Elasticity, New York-Toron to London 1951.

ASSOCIATION:

Zak/ad mechaniki ośrodków ciąg/ych IPPT, PAN (The Institute

of Mechanical Continual Media, IPPT, PAS)

SUBMITTED:

February 18, 1960

Card 3/3

SOKOLOWSKI, Marek (Warsaw)

Some problems of a plate strip with discontinuous boundary conditions. Archiw mech 13 no.2:239-256 '61.

1. Department of Mechanics of Continuous Media, Institute of Basic Technical Problems, Polish Academy of Sciences, Warsaw.

P/033/61/013/003/004/008 D287/D303

AUTHOR:

Sokołowski, Marek (Warsaw)

TITLE:

A thermoelastic problem for a strip with discontinuous

boundary conditions

PERIODICAL:

Archiwum mechaniki stosowanej, v. 13, no. 3, 1961,

337-354

The author considers a two-dimensional thermoelastic problem TEXT: for an infinite strip of width α . The boundary x = 0 of the strip is maintained at a constant temperature $t = t_0$. The other boundary is

partly insulated (for x < 0) and for positive values of x the heatflow is proportional to the difference between the temperature t and a certain constant temperature t which can, without loss of generality,

be assumed as being equal to zero. The problem is graphically represented in Fig. 1, which shows three graphs (a, b, and c). The author divided the original problem (represented by Fig. 1a) into two simpler problems (represented by Figs. 1b and 1c). In the case of Fig. 1b, where the boundary Card 1/8

P/033/61/013/003/004/008

A thermoelastic problem...

x = a is entirely insulated, the only solution of the problem is t(x,y) = const. The problem shown in Fig. 1c, which is equivalent to another problem shown in Fig. 2, is discussed in greater detail by the author. He points out that only forms of the solutions antisymmetric with respect to y will be discussed. The boundary conditions for the temperature of the problem shown in Fig. 2 are

(1.1)
$$y = -a, x < 0 : \frac{\partial t}{\partial y} = 0$$

(1.1)
$$y = -a, x < 0 : \frac{\partial t}{\partial y} = 0,$$

(1.2) $y = -a, x > 0 : t = -\frac{1}{k} \frac{\partial t}{\partial n} - t_0,$

(1.3) for
$$x \to +\infty$$
 t remains finite,
for $x \to -\infty$ t tends to zero as e

where the author mentions that the constant \mathbf{a}_2 can be chosen as equal $t_0 \pi/2a$. For the discussion of the problem the author introduces the non-dimensional variables w=aa, $\eta=y/a$. By application of trans-Card 2/8

1/030/01/010/000/001/000 1287/1303

A thermoelastic problem...

forms and substitutions the author obtains an equation of the Wiener-Hopf type:

(1.8) $V^+(w) = \left(\frac{\operatorname{tgh} w}{w} + \frac{1}{\beta}\right) = \frac{1}{a} \Phi^-(w) - \frac{t_0 i}{\sqrt{2\pi}} \frac{1}{w} ,$

with β = ka . The author then discusses the case of k $\rightarrow \infty$. He states that in the case of constant temperatures at the edges $y = \frac{+}{b}$, x > 0, equal to -t, +t, respectively, Eq. (1.8) reduces to the simpler form:

(1.9)
$$\Psi^+(w) = \frac{1}{a} \Phi^-(w) - \frac{t_0 i}{\sqrt{2\pi}} = \frac{1}{w}$$

After inverse transforms and substitions, the author finally obtains, under the assumption that $\xi \neq 0$, the following results:

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A thermoelastic problem ...

(1.12)
$$\varphi(\xi) = -t_0 \frac{2}{\pi} \arcsin \left(e^{\frac{\pi}{2}}\right)$$

(1.13)
$$\gamma(\xi) = -\frac{t_0}{a} \frac{1}{\sqrt{1-e^{-\eta\xi}}}$$

He states that, thus, his assumptions concerning the strip of regularity of the solutions $0 < \xi < \text{Im a} < \pi/2a$ are justified. At $\begin{cases} = 0 \end{cases}$, the temperature at the boundary of the plate is equal to t₀, and the heat flow has a singularity of the order 1/2. The final results for the case described by Fig. 1a are shown in Fig. 3. The author then returns to the general equation (1.8) and solves the problem in an approximate way. He discusses the first and second approximation and gives numerical results as an indication of the accuracy of the approximate method. He then considers the case shown in Fig. 2 to find the stresses in a strip produced by the temperature distribution. He states that if the edges

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P/033/61/013/003/004/008
A thermoelastic problem... D287/D303

 $y=\frac{1}{2}$ a are free, no stresses in the strip will occur, according to the well-known Muskhelishvili theorem / Abstractor's note: Muskhelishvili's theorem not explained /. The author then discusses the case in which both edges are rigidly clamped and no displacements u, \vee appear along the sides of the strip. The author introduces two stress functions: a thermoelastic potential $f_1(x,y)$, satisfying the equation

(3.1)
$$\nabla^2 f_1(x,y) = \mathcal{P}_0 t(x,y)$$
 where $\mathcal{P}_0 = \frac{1+\nu}{1-\nu} a_t$ (plane

strain), $\vartheta_0 = (1 + v)$ at (plane stress), and Galerkin's displace-

ments function
$$f_2(x,y)$$
, satisfying (3.2) $\nabla^2 \nabla^2 f_2(x,y) = 0$.

He states that the boundary conditions of (3.1) and (3.2) require that, in case of rigidly clamped edges, the displacements u, y must vanish. He discusses in greater detail the sum of the normal stresses σ_{xx} and

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P/033/61/013/003/004/008 D287/D303

A thermoelastic problem...

Card 6/8

 \mathcal{O}_{yy} , appearing in the strip during heating. He denotes $\mathcal{O}_{xx} + \mathcal{O}_{yy} = \mathcal{O}(x,y)$. In his discussion, the author mentions that the function $\mathcal{O}_1(\xi,1)$ can easily be expressed in a closed form, whereas the second function $\mathcal{O}_2(\xi)$ must be expressed in the form of an infinite series. He finally states that for $\xi \to +\infty$, $\sigma_{xx}^*(\xi) + \sigma_{yy}(\xi) \to 2G\mathcal{O}_0 t_0 \beta/(1+\beta)$, and points out that this result is in good accord with the magnitude of the stress σ_{xx} in a strip with one-dimensional temperature variation t = t(y) only, changing from $-\beta t_0/(1+\beta)$ to $+\beta t_0/(1+\beta)$ at y = +a, y = -a, respectively, σ_{yy} being $\equiv 0$. Finally, the author mentions that this paper was written during his Folish Academy of Sciences scholarship in the Lepartment of Applied Mechanics of the Tech-

"""",可不知识的,你是你就会不够是了。"我没有这些的事法,但是我们就是这些人的人,我们也是我们的人,我们就是我们的人,我们也是不是一个人,我们也是不是一个人

A thermoelastic problem...

P/033/61/013/003/004/008 D287/D303

nological University in Delft, Holland, under the supervision of Professor W. T. Koiter, who was repeatedly referred to in this article. There are 6 figures, 1 table and 6 references: 1 Soviet-bloc and 5 non-Soviet-bloc. The reference to the English-language publication reads as follows: A. Erdelyi and other, Tables of integral transforms, N. York-Toronto-London 1951.

AS SCCIATION:

Department of Mechanics of Continuous Media, IBTP, Polish Academy of Sciences; Department of Applied Mechanics of

the Technical University in Eelft, Holland

BUBNITTED:

December 3, 1960

Card 7/8

291,58 P/033/61/013/004/001/005 D248/D302

AUTHOR:

Sokołowski, Marek (Warsaw)

TITLE:

Heat flow in a wedge with discontinuous boundary

conditions

PERIODICAL: Archiwum mechaniki stosowanej, v. 13, no. 4, 1961,

433-455

TEXT: The paper concerns the problem of stationary heat flow in an infinite plate in the form of a wedge, where only the edges in the region of the vertex are heated, the rest being perfectly insulated. The problem is a typical Hilbert one, and is simpler than that considered by H. Zorski and W. Piechocki (Ref. 1: Thermoelatic Problem of a Wedge, Bull. Pol. Acad. Sci., Cl. IV, 10, 7 (1959)). However, the author's contribution is that he treats the problem in greater detail and discusses all the singularities in the temperature and heat flow distribution. In particular, an infinite wedge is considered heated by a temperature which itself is decomposed into antisymmetrical and symmetrical parts. For the

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antisymmetrical case, the Meldin transform is applied to the general temperature equation

$$\nabla^2 t(\mathbf{r}, 0) = 0 \tag{1.1}$$

according to the method of W. T. Koiter. On substitution of the boundary conditions the Wiener-Hopf equation is obtained:

$$\Psi^{\tau}(s) = \frac{tg}{s} = \Phi^{\tau}(s) + \frac{t_n}{n+s}$$
 (1.10)

Two separate equations from which $\gamma^{\pm}(s)$ and $\Phi^{\pm}(s)$, the two unknown functions, can be determined are obtained by factorizing and transforming, Before proceeding to the general solution some cases of practical interest are discussed in which simple closed

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Heat flow in a wedge .

solutions are obtained. The full general solution is obtained by integrating between carefully chosen limits, an expression is obtained for the continuous distribution of temperature along the side 0 = q. A diagram shows that this distribution varies little from that obtained in the particular case where $r \rightarrow \infty$ or r = 1. A further curve is obtained which depicts the order of singularity of the heat flow at r = 0, depending on α and n. In the symmetric case the Wiener-Hopf function is obtained as before. The case u =O is shown to possess a simple and unique solution, and is not considered. The general solution is obtained with each range of integrand subjected to detailed discussion, and appropriate diagrams describe the numerical evaluations. Finally the order of singularity curve is sketched. The author acknowledges the help of Professor W. T. Koiter, Delft. There are 15 figures and 6 references: 1 Soviet-bloc and 5 non-Soviet-bloc. The 4 most recent references to the English-language publications read as follows: W. Piechocki, H. Zorski, Thermoeleastic Problem for a Wedge, Bull. Pol. Acad. Sci., Cl. IV, 10, 7 (1959); W. T. Koiter, An Infinite Row of Parallel Cracks in an Infinite Elastic Sheet in: Problems of Con-Card 3/4

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Heat flow in a wedge ...

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tinuum Methanics, Soc. Industrial Appl. Mathematics, Philadelphis 1961; 246-259; W. T. Koiter, Approximate Solution of a Wiener. Hopf Type Integral Equation with Applications, Proc. Kon. Ned. Akad. Wet., B. 57, no. 5, 1954; A. Erdely: etc., Tables of Integral Tranforms, Vol. ! New York-Toronto-London 1954.

ASSOCIATION: IBTP, Polish Academy of Sciences

SUBMITTED: December 3, 1960

Card 4, 1

MATCZYNSKI, M.; SOKOLOWSKI, M.

On polynomial solution of a certain discontinuous boundary value problem. Bul Ac Pol tech 12 nc. 1: 5-11 '64

1. Department of Mechanics of Continuous Media, Institute of Fundamental Technical Problems, Polish Academy of Sciences, Warsaw. Presented by W. Nowacki.

SOKOLOWSKI, Marek, prof.; ZORSKI, Henryk, prof.

The Polish school of thermoelasticity. Horyz techn 17 no. 4: 9-10 Ap '64.

- Dyrektor naukowy Instytutu Podstawowych Problemow Techniki, Polska Akademię Nauk, Warszawa (for Sokolowski).
 Kierownik Pracowni Mechaniki Ciala Stalego, Instytut
- 2. Kierownik Pracowni Mechaniki Ciala Stalego, Instytut Podstawowych Problemow Techniki, Polska Akademia Nauk, Warszawa (for Zorbki).

SOKOLOWSKI, Marek

Heat flow in a wedge with discontinuous boundary conditions. Archiw mech 13 no.4:433-456 '61.

1. Department of Mechanics of Continuous Media, Institute of Basic Technical Problems, Polish Academy of Sciences, Warsaw.

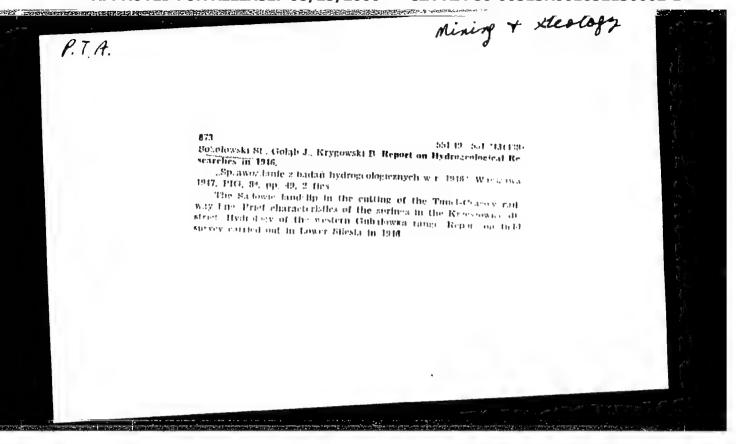
"Local Technille I Conjugated to Const."
Technille I Conjugated Const., Genek, Vol. 4, No. 7, May 1950, p. 145

Di: Hestern European Accessions List, Vol. 3, No. 10, Oct. 1954, Lib. of Congress

COPUT COMMIT, S.

The section and multisection assemblage in steel construction and the tasks for the near future; also remarks by S. Hojarczyk and a discussion. p. 4. (Budownictwo Przemyslowe, Vol. 5, No. 7/8, Ju.y/Aug. 1956, Warsaw, Foland)

Su: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl.



 SOKOLOWSKI, STANISLAW

PA 30T26

POLAND/Geology Excavating Sep 1947

"A Landslide in Sadowie at the Railway Cutting on the Tunel - Cracow Line," Stanislaw Sokolowski, 17 pp

"Biuletyn, Panstwowy Instytut Geologiczny" No 32

Study of a landslide set in motion near the village of Sadowie by a large cutting (800 m x 15 m) done for the railway between Warsaw and Cracow, and notes on some means for its prevention.

SI

30T26

SCHOLOWSKI, STANILLAW.

GLOGRAPHY & GEOLOGY

SOROLCUSKI, STANISLAW. Tatry Bielskie; geologia znoczy połudinowych. Warszawa, 1948. 47 p. (Marsaw. Panstowy Instytut Geologiczny. Prace, t.4)

Monthly List of East European Accessions (EEAI) LC. Vol. 8, No. 4
April 1959, Unclass

SOMELOW HI, S.

"Fiftieth anniversary of the excursion of participants of the 9th International Geological Congress in the Pieniny and Tatra Mountains," Frzeglad Geologiczny, Warszawa, No 3, June 1953, p. 81.

SO: Eastern European Accessions List, Vol 3, No 11, Nov 1954, L.C.

SOKULOWAKI, S.; WYCZULKIMSKI, J.

"50 Years of Modern Geology of the Tatra Mountains." P. 101,
(WIERCHY, Vol. 22, 1953, Krakow, Poland.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3,
No. 12, Dec. 1954, Uncl.

SCYCLOUSET, 3.

New investigation of the relation between the Magura, and Krosno regions of the west Beskids; a sum ary of a report.

P. h57, (Przeglad Geologiczny, Vol. h, no. 10, Oct. 1956, Warszawa, Poland)

Monthly Index of East European Accessions (FFAI) LC. Vol. 7, no. 2, February 1958

SOKOLOWSKI, Stanislaw; ZNOSKO, Jerzy

The planning of a tectonic map of Poland as a part of a tectonic map of Europe. Kwartalnik geol 3 no.1:1-24 *59. (EEAI 9:8) (Poland--Geology)

SOKOLOWSKI, Stanislav

Preliminary results of research on the Paleogene in the vicinity of the Tatra Mountains. Kwartalnik geol 6 no.4: 751-753 '62.

1. Zaklad Zdjec Geologicznych, Instytut Geologiczny, Warszawa.

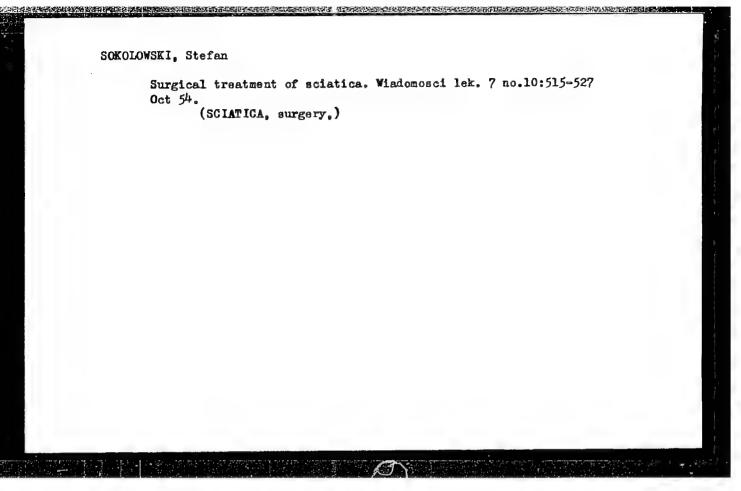
SOKOLOWSKI, Stefan (Kluszbork)

Demographic problems of Kluczbork District. Czasop geograf
34 no.4: 377-391 '63.

SOKOLOWSKI, S.

Examination of sound intensity equalisation by means of aural harmonic tones. Przegl. lek., Krakow 8 no. 5:129-132 1952. (CDML 22:5)

1. Of the Otolaryngological Clinic (Head--Prof. J. Miodonski, M. D.) of Krakow Medical Academy.



SOKOLOWSKI, Stefan

Indications for surgical therapy of laryngeal cancer. Przegl. lek., Krakow 10 no.10:285-290 1954.

1. Z Kliniki Oto-Ryno-Lryngologicznej Akademii Medycznej w Krakowie. Kierownik: prof. dr J.Miodonski.
(LARYNX, neoplasms, surg., indic.)

SOKOLOWSKI, Stefan

Modification of the Weber's test. Przegl. lek. Krakow 10 no.12a: 414-417 Dec 54.

1. Z Kliniki oto-ryno-laryngologicznej A.M. w Krakowie kierownik prof. dr. J.Miodonski (HEARING TEST Weber's test, modification)

SOKOLONSKI, Stefan; FRETTAG, Tadeusz; KMITA, Stanisław

Experiments with bacteriostatic activity of self-polymerizing acrylic implants. Neur. &c.polska 5 no.3:253-258 My-Je '55.

1. Z Wojskowego Szpitala Klinicznego w Lodzi, Lodz, Wierzbowa 33/36

(ACRYLIC RESINS
self-polymerizing implants, bacteriostatic eff.)

SOKOLOWSKI, Stefan

Recent concepts of the mechanism of phonation. Otolar. polska 9 no.1:75-84 '55.

 Z Kliniki Otolar Yngologicznej A.M. w Krakowie. Kier.: prof. dr Jan Miodonski, Krakow, Jaraza 3/7. (VOICE

phonation mechanism, current concepts)

KOWALCZYKOWA, Janina; SOKOLOWSKI, Stefan.

Border-line neoplastic-inflammatory conditions; malignant granuloma. Otolar. polska 9 no.3:189-196 1955.

 Z Kliniki Laryngologicznej A.M. w Krakowie: Kierownik: prof. dr. J.Miodomski. Z Zakladu Anatomii Patologicznej A.M. w Krakowie. Kierownik: prof. dr. J.Kowalczykowa. (HODGKIN'S DISEASE)

FRETTAG, Tadeusz; KMITA, Stanislaw; SOKOLOWSKI, Stefan

Application of the plastic substance dentacril as tissue implants, Polski przegl.chir. 27 no.4:323-326 Apr '55.

1. Ze Szpitala klinicznego W.P. w Lodzi; Szpital Kliniczny W.P. w Lodzi.

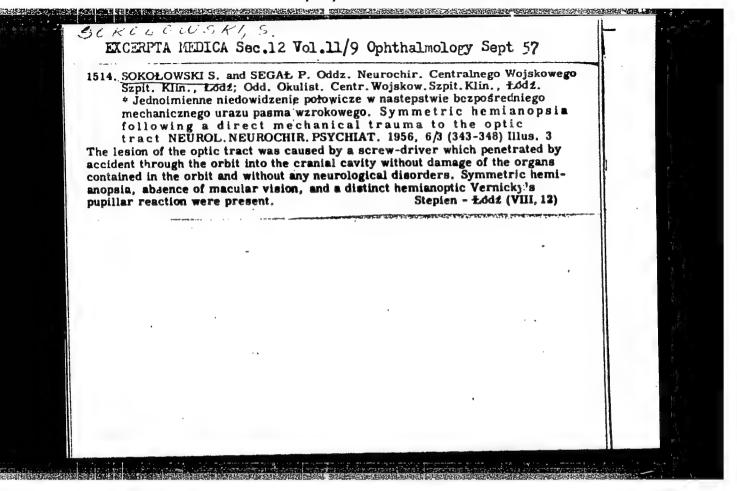
(ACRYLIC RESINS implants in dogs, histol.eff.)

KMITA, Stanislaw; SOKOLOWSKI, Stefan; FREYTAG, Tadeusz

Studies on heat production in self-polymerizing masses used for implants. Neur. &c. polska 6 no.1:41-44 Jan-Feb 56.

1. Z Wojskowego Szpitala Klinicznego w Lodzi, Lodz, Wierzbowa 33/36.

(ACRYLIC RESINS, self-polymerizing, heat prod. in prep. for implants. (Pol))



AREND, Rudolf; SOKOLOWSKI, Stefan; MEMPEL, Eugeniusz

Umusual syndrome in a case of gigantic subdural hematoma cured surgically. Neur. &c. polska 6 no.4:465-477 July-Aug 56.

1. Z Kliniki Neurologicznej Akademii Medycznej we Wroclawiu Kierownik: prof. dr. med. R. Arenk i z Oddzialu Neurochirurgii Wojskowego Szpitala Klinicznego w Lodzi Ordynator: dr. med. S. Sokolowski.

(CEREBRAL HEMORRHAGE, manifest. unusual manifest. in subdural hematoma cured surgically (Pol))

BANKOWSKI, Zbigniew; MAJEWSKA, Zofia; RUSZCZEWSKI, Zygmunt; SOKOLOWSKI, Stefan

Differentiation of parasitic disease from neoplasm of the central nervous system. Neur. &c. polska 6 no.5:553-567 Sept-Oct 56.

1. Z Kliniki Chorob Nerwowych A.M. w Gdansku Kierownik: prof. dr. med. Z. Majewska Z Oddzialu Neurochirurgii Wojskowego Szpitala N. Z. Wojskowej Centralnej Pracowni Anatomii Patologicznej i Medycyny Satowej.

(BRAIN NEOPLASMS, differential diagnosis, parasitic dis. (Pol))

(BRAIN, diseases, parasitic, differ, diag. from tumor (Pol)) (PARASITIC DISEASES, differential diagnosis, brain, from tumor (Pol))

EXCERPTA MEDICA Sec. 11 Vol. 10/5 Oto-Rhino-Laryngo Way57 SCKOLOWSKI S. 1024. SOKOŁOWSKI S. Klin. Otolaryngol. AM, Kraków. * O zastosowaniu sondy dźwiękowej jako wskaźnika do operacji zachowawczej. Application of a sound probe as indication for the conservative operation OTOLARYNG. POL. 1956, 10/3-4 (283-288) Graphs 6 Illus. 1 The sound probe is obtained by joining the bone receiver of an audiometer with a metal rod of 2 mm. diameter. In this way a possibility arises of counting the tones emitted by the audiometer from a strictly limited small area, for instance from the short process of the first ossicle, etc. One of the more important benefits of applying the sound probe is the opportunity to establish pre-operatively, whether there is a continuity of the chain of ossicles. If such a continuity does exist, the graphs obtained with a probe from the short process of the first ossicle are always better by 20-30 db, than the graphs of the supero-posterior wall of the meatus acusticus externus. In the absence of the above-mentioned continuity, the course of both curves is almost identical. In this way the precise indications to the operation are stated and the choice is made between the radical and the conservative procedure.

SOKOLOWSKI, Stefan

Artificial tympanum. Otolar. polska 10 no.3-4:319-323 1956.

1. Z Kliniki Otolaryngologicznej A.M. w Krakowie Kierownik: prof. dr. J. Miodonski. Krakow, St. Jaracza 3/7.

(TYMPANIC MEMBRANE, perforation, prosthetic repair (Pol))

SOKOLOWSKI, Stefan; FREYTAG, Tadeusz

Experience with a technic of methyl polymetracrylan implants in cranioplasty. Neur. &c. polska 7 no.1:123-135 Jan-Feb 57.

1. Z Oddzialn Neurochirurgii Centralnego Wojskowego Sspitala Klinicznego Ordynator: dr med. S. Sokolowski. i z Pododdzialu Chirurgii Szczekowej Centralnego Wejskowego Szpitala Klinicznego Kierewnik: dr T. Freytag. Adres: Lodz, Wierzbowa 33/36.

(CHANIUM, surgery.

acrylic implants (Pol))
(ACRYLATES, cranioplasty (Pol))

SOKOLOWSKI, Stefan.

Studies on the appearance of changes in the areas of the cerebral fluid. Neur. &c. polska 7 no.2:177-186 Mar-Apr 57.

```
SOKOLOWSKI, Stefan (Krakow, St. Jaracza 3/7)

Stellate ganglion block in laryngological diseases. Otolar. polska 11 no.2:147-157 1957.

1. Z Kliniki Otolaryngologicznej A. M. w Krakowie. Kierownik: prof. dr J. Miodonski.

(OTORHINOLARYNGOLOGICAL DISEASES, ther. stellate ganglion block in laryngol. dis. (Pol))

(ANSTRESIA, REGIONAL same (Pol))
```

SEGAL, Pawel; FRETTAG, Tadeusz; SOKOLOWSKI, Stefan

Use of rapid polymerizing acryl masses in orbital surgery.

Klin. oczna 27 no.2:143-156 1957.

1. Z Oddzialu Ocznego C.W.S.K. Ordynator: doc. dr. P. Segal.

Z Pododdzialu Chirurgii Szczekowej C.W.S.K. Klerownik: dr.

T. Freytag i z Oddzialu Neurochirurgii C.W.S.K. Ordynator: dr.

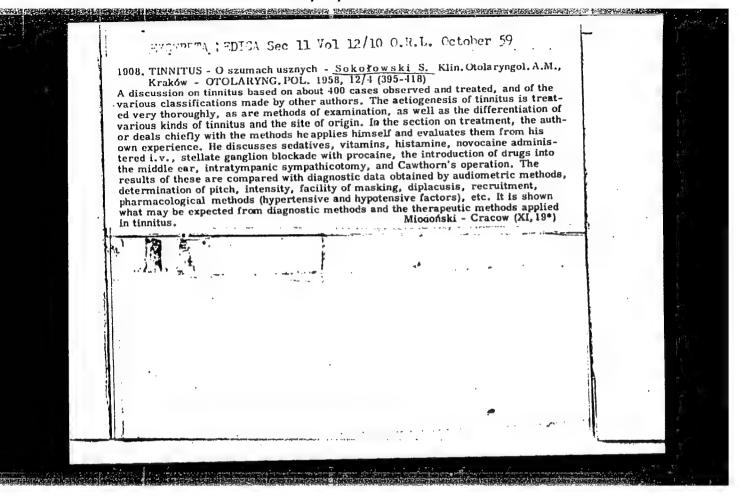
med. S. Sokolowski, Warszawa 12, ul. J. Dabrowskiego ?? m. 27.

(ORBIT, surg.

plastic, use of rapid polymerizing acryl mass (Pol))

(ACRYLIC RESINS

rapid polymerizing acryl mass, use in orbital surg. (Pol))



SOKOLOWSKI, S.

Research on the development of changes in the cerebrospinal fluid spaces after pneumoencephalography in epileptics. Cesk. neur. 21 no.6:365-373

Nov 58.

1. Neurochirurgicke oddeleni Ustredni vojenske klinicke nemocnice v Lodzi, prim. dr. St. Sokolowski, (Polsko)

(EPILEPSY, pathol.

changes in CSF spaces after pneumoencephalography (Cz))

(VENTRICULOGRAPHY, eff.

pneumoencephalography on CSF spaces in epileptics (Cz))

CZAPNICKA, Maria; MISZKE, Andrzej; SOKOLOWSKI, Stefan; WILCZYNSKA, Janina

On the value of tomography of the larynx in cases of: malignant tumors and its comparison with laryngological examination.

Otolar polska 14 no.1:73-80 '60.

1. Z Kliniki Iaryngologicznej A.M. w Krakowie. Kierownik: prof. dr med. J. Miodonski; i z Kliniki Radiologicznej A.M. w Krakowie, Kierownik: prof. dr. med. S. Jamuszkiewicz.

(IARYNX neopl.)

SOKOLOWSKI, Stefan; FABIAN, Fryderyk

On the problem of the mechanical resistance of cerebral bridge veins. Roczn. pom. akad. med. Swierczewski. 7:301-308 61.

1. Z Kliniki Chorob Nerwowych Pomorskiej Akademii Medycznej Kierownik Kliniki: doc. dr med. Michal Jarema.

(BRAIN blood supply)

SOKOLOWSKI, Stefan

On the problem of roemigen irradiation of surgical laryngeal cancers. Otolar polska 15 no.1:17-21 '61.

1. Z Instytutu Onkologii w Krakowie Kierownik: doc. dr med. H. Kolodziejska i z Kliniki Chorob Uszu, Nosa i Gardla AM w Krakowie Kierownik: prof. dr med. J. Miodonski.

(LARYNX meopl)

SOKOLOWSKI, Stefan

Indication for stapes mobilization and the sound probe. Otolar polska 15 no.3:289-295 '61.

1. Z Kliniki Otolaryngologicznej AM w Krakowie Kierownik: prof. dr

J. Miodonski.

(OTOSCLEROSIS surg)

(HEARING TESTS)

SOKOLOWSKI, Stefan; MEMPEL, Eugeniusz

Surgical therapy of cerebral echinococcosis. Report on 3 cases cured surgically. Neurologia etc., polska 12 no.3:365-377 '62.

1. Z Oddzialu Neurochirurgii Szpitala Klinicznego w Lodzi Ordynator Oddzialu: dr med. S. Sokolowski.
(ECHINOCOCCOSIS) (BRAIN DISEASES)

SOKOLOWSKI, Stefan, dr med.; MEMPEL, Eugeniusz

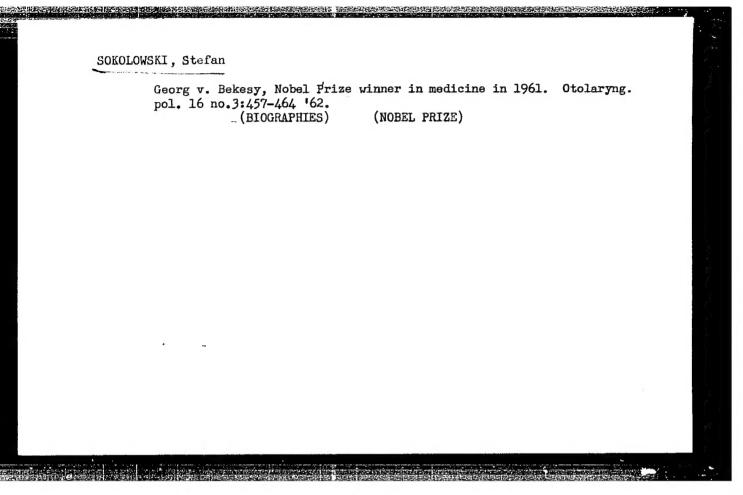
Surgical treatment of cerebral echinococcus; note on three cases cured by surgery. Neurol neurochir psych 12 no.3:365-377 My-Je *62.

1. Oddzial Neurochirurgii, Szpital Kliniczny, Lodz. (Ordynator Oddzialu: dr med. S. Sokolowski).

SOKOLOWSKI, Stefan

Effect of blocking of the stellate ganglion on vestibular reactions. Otolaryng. Pol. 16 no.1:99-104 '62.

1. Z Kliniki Otolaryngologicznej AM w Krakowie Kierownik: prof. dr med. J. Miodonski.
(VESTIBULAR APPARATUS physiol) (ANESTHESIA COMDUCTION)
(STELLATE GANGLION physiol)



Treatment of suppurative processes of the hand. Polski tygod. lek. 5 no.15:561-568 11 Apr 1950. (CIML 20:1)